

Application

Servomotors are designed to rebuild control mechanisms by means of a direct, reversible move and constant speed. Servomotors control mainly the closing and pressure reducing valves.

Functional description

- selectable rated force and speed of movement
- selectable input signal
- selectable output signal
- selectable position microswitches
- seismic resistance certificate
- climatic resistance certificate from -45°C to 60°C
- hand operation inside cover
- possibility of hand operation outside cover

Technical parameters

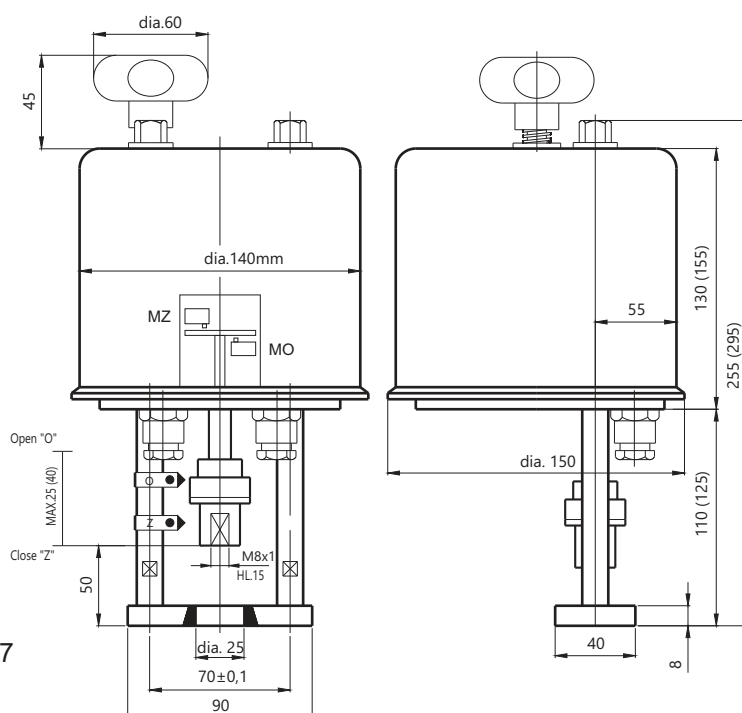
- rated force 2-4 kN
- speed of movement 10-16-25-32 mm/min
- input 3 point driving
DMS3 4-20mA
DMS3 0-10 V
- output 100 ohm resistance
R/I 4-20 mA
R/U 0-10 V
C/I 4-20 mA
- rated force switches
- adjustable position switches
- heating resistor
- variant with increased seismic resistance
- variant with increased climatic resistance
- supply voltage 230Vac
- frequency 50/60Hz
- power drain max 19 VA
- ambient temperature from -20 to 60°C
- housing protection IP65
- weight 4 kg

Certification

- EC declaration of conformity
- seismic resistance acc. to EN60068-2-6:1997
- ISO9001/2016



Basic dimensions



Specification table

PTN2 -	XX.	X	X.	XX.	XX.		
	20			2 kN	Rated force	10, 16, 25, 32 mm/min	Speed of movement
	25			2.5 kN		10, 16, 25, 32 mm/min	
	32			3.2 kN		10, 16, 25 mm/min	
	40			4 kN		10, 16, 25 mm/min	
	99			Acc. to the agreement			
	0			230V /50Hz /60Hz		Supply voltage for 60Hz ops. add 20% to the speed	
		1		10 mm /min		Speed of movement	
		2		16 mm /min			
		3		25 mm /min			
		4		32 mm /min			
			0	Without			
			1	Output 0-10V		resistance / U or I type	
			2	Output 0-20mA		four wire type	
			3	Output 4-20mA			
			4	Output 4-20mA		two wire type, R/I	
			5	Output 0-100 ohm		resistance only transmitter	
			6	Output 2x0-100 ohm			
			7	C/I output 4-20mA		capacitace/current type	
			8	Output - control unit DMS3			
			9	Acc. to the agreement			
			1	Flange D=25, columns spacing 70mm, clutch M8x1			
			2	Flange D=44, spindle with cutting, bracket clutch			
			3	Flange D=65, 2 columns spacing 100mm, clutch M10x1			
			4	Columns M16, columns spacing 100mm, clutch M12			
			5	Columns M12, columns spacing 110mm, clutch M12x1.25			
			6	Flange D=57.5,columns spacing 100mm, clutch M2x1.25			
			7	Flange D=44, spindle with cutting D=7, valve type Rv113, stroke 20mm			
			8	Flange D=44, spindle with cutting D=10, valve type Rv113, stroke 40mm			
			9	Acc. to the agreement			
			0	MO, MZ			
			2	MO, MZ, SO, SZ			
			4	MO, MZ, KPO		count and type of switches	
			6	MO, MZ, SO, SZ, KPO			
			8	MO, MZ, DMS3		SO, SZ part of DMS3	
			9	Acc. to the agreement			
				2	10 mm	bar elevation	
				3	16 mm		
				4	20 mm		
				5	25 mm		
				6	32 mm		
				7	40 mm		

Table is relevant for 3 points driving input.

According to agreement it's possible to provide servodrives with analog control input 0-10V, 0-20mA, 4-20mA (/RO)

Version with control unit with output/input signal is ordered: DMS3-XX.XX according table DMS3.

For example: PTN2-XX.XX.XX.XX/DMS3-XX.XX/RO (RO-hand operation)

Schematic diagram

